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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/694,319	10/23/2003	Fu Yu Chen		3848

7590 02/16/2006
Fu Yu Chen
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EXAMINER

CHIN, RANDALL E

ART UNIT	PAPER NUMBER
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1744

DATE MAILED: 02/16/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/694,319

Applicant(s)

CHEN, FU YU

Examiner

Randall Chin

Art Unit

1744

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 February 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3,5-7,9-12,14 and 15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 14 and 15 is/are allowed.
- 6) ☒ Claim(s) 1-3,5-7 and 9-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 February 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

1. Claims 14 and 15 are objected to because of the following informalities:

Claim 14, line 6, after "in", insert --a--.

Claim 15, line 6, after "in", insert --a--.

Claim 15, line 12, after "of", insert --a--.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-3, 5-7 and 9-12 are rejected under 35 U.S.C. 102(b) as being anticipated by Powers '536.

The patent to Powers '536 discloses a brush structure (Figs. 1 and 2), comprising an agitator or rotation bar 10 including a plurality of "arc-shaped" strips or plates 16, 16 (shown shaded in Fig. 3) combined with each other, each of the arc-shaped plates 16, 16 comprising two sides each formed with a helical "rim" (i.e., shoulder 40 and ridge 28 form the "rims" in Fig. 3), so that a plurality of helical grooves are defined between the helical rims 40, 28, a plurality of brush strips 30, 30 each installed in a respective one of

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the helical grooves of the rotation bar, a plurality of "fixing blocks" defined by the angled sheet pieces 20, 20 each installed in the rotation bar still extending "between" the arc-shaped plates (Fig. 2) and formed with a plurality of "lugs" for fixing the arc-shaped plates, and a driving block (not shown but disclosed as conventional as recited in col. 2, lines 24-26) mounted on the rotation bar to rotate the rotation bar. Note, the recited "lugs" could merely be the **ends** of the angled pieces 20, 20 welded or fixed to the rotation bar 10 (Fig. 2).

As for claim 2, the brush structure includes two brush strips (Fig. 2) and the rotation bar includes two opposite arc-shaped plates 16, 16 formed with two helical grooves for mounting the two brush strips 30, 30, as already stated.

As for claim 3, the brush structure also includes three brush strips 30, 30, 30 (Fig. 1; col. 2, lines 26-27) and the rotation bar includes three arc-shaped plates 16, 16, 16 formed with three helical grooves for mounting the three brush strips 30, 30, 30.

As for claim 5, the rotation bar has a tubular shape (Fig. 1).

As for claim 6, each of the helical grooves is extended through a whole length of each of the arc-shaped plates 16, 16 of the rotation bar (Fig. 1).

As for claim 7, each of the brush strips 30, 30 has a helical shape (Fig. 1).

As for claim 9, each of the brush strips 30, 30 comprises a surface provided with a plurality of bristles.

As for claim 10, each of the brush strips 30, 30 is extended through a whole length of each of the two arc-shaped plates of the rotation bar (Fig. 1).

As for claim 11, each of the fixing blocks 20, 20 has two sides each indirectly fixed on the respective arc-shaped plate of the rotation bar in a welding or spot soldering manner (col. 2, lines 30-32).

As for claim 12, the driving block would have an end formed with a mounting portion which can be bearing 12 or 14 (Fig. 1) mounted in an end of the rotation bar 10, so that the driving block is secured on the rotation bar.

Allowable Subject Matter

4. Claims 14 and 15 are allowed pending clarification of the above objections.

Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

6. Any inquiry concerning this communication or earlier communication from the Examiner should be directed to Randall Chin whose telephone number is (571) 272-1270. The Examiner can normally be reached on Monday through Thursday and every other Friday.

If attempts to reach the Examiner are unsuccessful, the Examiner's supervisor, Richard Crispino, can be reached at (571) 272-1226. The number for Technology Center 1700 is (571) 272-1700.

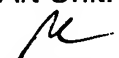
The central fax number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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R. Chin


Randall Chin
Primary Examiner
Art Unit 1744



Serial No.: 10/694,319 "New Sheet"

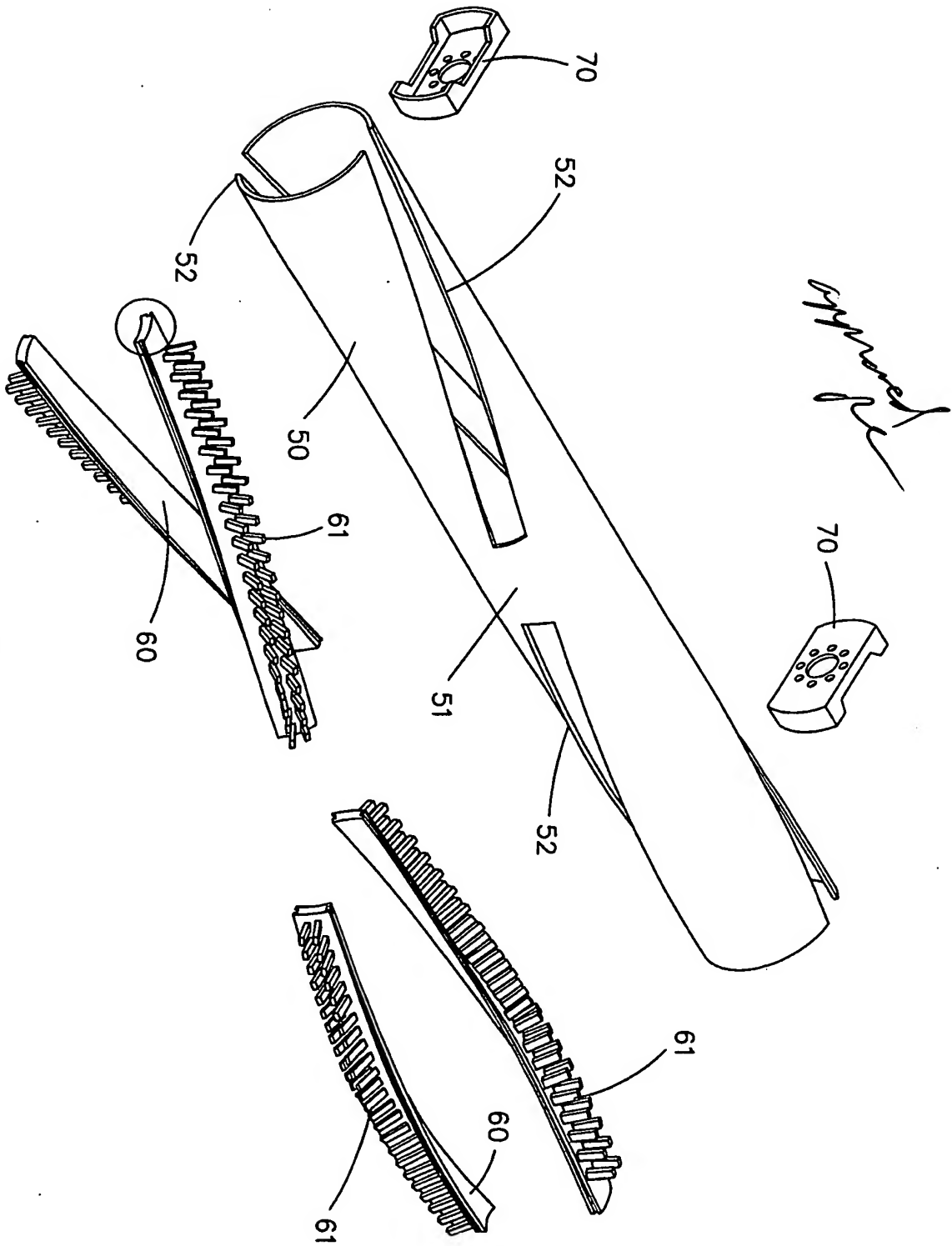


FIG.7
PRIOR ART